

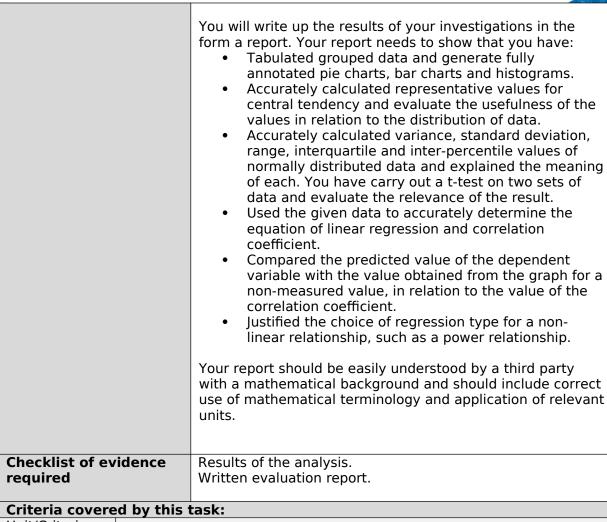
BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Certificate in Information Technology Pearson BTEC International Level 3 Subsidiary Diploma in Information Technology Pearson BTEC International Level 3 Foundation Diploma in Information Technology Pearson BTEC International Level 3 Diploma in Information Technology Pearson BTEC International Level 3 National Extended Diploma in Information Technology
Unit number and title	Unit 10: Big Data and Business Analytics
Learning aim(s) (For NQF only)	B: Explore the statistical software tools and techniques used to analyse data in organisations
Assignment title	
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You have recently started an internship at an educational charity. The director of the charity is interested in how big data and data analytics might be used by the organisation to improve the way they target their efforts so that the work they do can be as effective as possible. Following the report you produced on the topic the director has asked you to look into the statistical tools and techniques which can be used to analyse data.
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	The charity is looking into how progression through and completion of different stages of education as well as youth and literacy rates within different countries. Some data on international education can be found here:
	https://en.unesco.org/gem-report/node/6
Task 1	You should use this data to carry out an analysis and evaluation using: • routine and non-routine central tendency • dispersion and probability distribution operations, • routine and non-routine regression operations identifying those countries which perform better than average and those which perform worse and how this differs by age and gender.





Criteria covered by this task:			
Unit/Criteria reference	To achieve the criteria you must show that you are able to:		
B.D2	Evaluate the correct synthesis and accurate application of routine and non-routine statistical, and probability operations using calculations and appropriate software to solve problems.		
B.M2	Solve problems accurately for a dataset involving routine and non- routine central tendency, dispersion and probability distribution operations, using software.		
B.M3	Solve problems accurately for a dataset involving routine and non- routine regression operations, using software.		
B.P2	Solve problems for a dataset involving routine central tendency, dispersion and probability distribution operations, using software.		
B.P3	Solve problems for a dataset involving routine linear regression operations, using software.		

Sources of information	Marr B. Big Data: Using Smart Big Data, Analytics and
to support you with	Metrics to Make Better Decisions and Improve Performance.
this Assignment	John Wiley & Sons, Ltd. 2015. 978-1118965832
	Cody, I.D. Data Analytics: Practical Data Analysis and
	Statistical Guide to Transform and Evolve Any Business
	Create Space Independent Publishing Platform. 2016 978-





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Other assessment	e.g. work sheets, risk assessments, case study	
materials attached to	eig. Work streets, risk assessments, ease staay	
this Assignment Brief		

